hp deskjet 3820
color inkjet printer

data sheet

Get award-winning HP technology* and performance with stunning photo-quality results and up to 4800 optimized dpi** color from the hp deskjet 3820 color inkjet printer. Everyday color printing—at up to 10 pages per minute, rich black at up to 12 pages per minute. Save time and money with on-screen ink-level indicator and print-cancel features. You can even link multiple home computers to one printer with the optional networking capability.***

stunning photo-quality

- get stunning photo quality with up to 4800 optimized dpi** and rich black text
- print longer lasting photos using hp's specially developed inks and papers

proven performance

- performance based on award-winning technology*
- perfect for all types of print projects—get excellent results on a variety of papers including plain, photo papers and transparencies
- print rich black text from a separate black print cartridge

save time and money

- print cancel button
- on-screen ink-level indicator

fast print speeds

- print documents quickly with two print cartridges (black and tri-color) included
- print up to 12 pages per minute in black
- print up to 10 pages per minute in color

space-saving design

- compact size with fold-up paper tray to fit into tight spaces

easy connection

- connect the way you want to with parallel and USB connectivity
- supports PC and Mac connectivity
- network capable using optional HP Jetdirect accessories***

* product technology is based on award-winning family of products including select hp deskjet 900-series printers
** 4800 x 1200-optimized dpi color printing on premium photo papers and 1200 x 1200-input dpi
*** optional hp Jetdirect and wireless print accessories not included; please purchase separately

hp deskjet 3820 printer
technical specifications

print method
drop on demand thermal inkjet printing

print quality
black: up to 600 x 600 dpi
color input resolution: 1200 x 1200 dpi (inkjet paper/best/1200 dpi text rendering)
color output resolution: (subject to input resolution above) 1200 x 1200 dpi or 4800 x 1200 optimized dpi color printing on premium photo paper in best mode

print speed*

	draft	normal	best
black	up to 12 ppm	up to 6 ppm	up to 2.5 ppm
color	up to 3 ppm	up to 0.8 ppm	up to 0.25 ppm
mixed text/graphics	up to 10 ppm	up to 4.5 ppm	up to 1 ppm
color 4"x 6" photo	NA	up to 0.3 ppm	up to 0.15 ppm

vertical alignment
± 0.002 in.

skew
± 0.006 in. per in. on plain paper
± 0.010 in. per in. on transparency

media types
paper (plain, inkjet, photo, and banner), envelopes, transparencies, labels, cards, HP premium media, iron-on transfers

media sizes and weights
paper: U.S. letter (8.5 x 11), legal (8.5 x 14 in), U.S. executive (7.25 x 10.5 in) , 16 to 24 lb
cards: (3 x 5 in, 4 x 6 in, 5 x 8 in) up to 110 lb, 0.012 in maximum thickness
envelopes: U.S. # 9 (3.875 x 8.875 in), U.S. # 10 (4.125 x 9.5 in), DL (4.33 x 8.66 in), C6 (4.49 x 6.38 in), A2 (4.37 x 5.75 in), 20 to 24 lb

media handling
input capacity (100-sheet fold-up input tray), manual two-sided printing
sheets: up to 100
envelopes: up to 15
cards: up to 40
labels: up to 100
transparencies: up to 25
output tray capacity: 50 sheets, 30 transparencies

memory
2 MB buffer

interface/connectivity
1 IEEE-1284 Centronics Parallel compatible port, 1 Universal Serial Bus (USB) port

printer language
PCL 3 enhanced

built-in fonts
8 built-in, 4 each in portrait and landscape orientations: CG Times, CG Times Italic, Univers, Univers Italic, Courier, Courier Italic, Letter Gothic, Letter Gothic Italic

power requirements
power source (input voltage):100 – 240 VAC (+/- 10%), grounded
frequency: 50/60 Hz (+/-3%)

power consumption
25 watts maximum

operating environment
operating temperature range: 41º – 104º F (5º – 40º C)
humidity range: 15% to 80% RH, non condensing
operating range: 20% to 80% RH, non-condensing

acoustics
noise levels per ISO 9296:

Sound Power, L_wA_d (1B=10dB)	6.2 B(A)
Sound Pressure, L_pA_m (bystander positions)	46 dB(A)

dimensions (w x d x h)/weight
17.5 x 10.1 x 7.8 in (445 x 256 x 197 mm)/12.7 lb (5.7 kg)

monthly volume
1000 printed pages per month

warranty
90 days limited backed by HP customer care

minimum system requirements
CD-ROM or Internet access, 40 MB of hard disk space
Microsoft® Windows® 95, 98, Me, Pentium® 150 MHz, 32 MB RAM
Microsoft Windows 2000 Professional, NT® 4.0, Pentium 133 MHz, 64 MB RAM
Windows XP, Pentium 233 MHz, 128 MB RAM
Mac® OS 8.6, 9.0 or above: 64 MB RAM
Mac OS X: 128 MB RAM

software compatibility
Microsoft Windows (95, 98, Me, NT 4.0, 2000 Professional, XP); Mac OS 8.6, 9.0 or above, OS X

compatible network operating systems
with optional ethernet adapter (not included, purchase separately), Microsoft Windows (95, 98, Me, 2000 Professional, XP (TCP/IP, IPX/SPX), Windows NT 4.0 and later (TCP/IP, IPX/SPX, DLC/LLC), Macintosh OS 8.6, 9.0, X and later (ethertalk)

*Dependent upon type and print mode; approximate figures. Exact speed will vary depending on the system configuration, software program, and document complexity.

ordering information

C8952A
HP deskjet 3820 printer; power cord/power supply; hp 15 black inkjet print cartridge (14 ml); hp 78 tri-color inkjet print cartridge (19 ml); Windows and Macintosh printer software, DOS printing on CD-ROM with additional software and internet links; Windows and Macintosh reference guide; Windows and Macintosh setup posters

replacement ink cartridges

C6615D	HP 15 black inkjet print cartridge (25 ml)
C6615N	HP 15 black inkjet print cartridge (14 ml)
C6578A	HP 78 tri-color inkjet print cartridge (38 ml)
C6578D	HP 78 tri-color inkjet print cartridge (19 ml)

HP business communication paper and film

HP bright white inkjet paper
C5976B 250 sheets
C1824A 500 sheets

HP inkjet everyday paper
51634Y 200 sheets

HP brochure and flyer paper, glossy
C6817A 50 sheets

HP brochure and flyer paper, matte
C6955A 50 sheets

HP premium inkjet transparency film
C3828A 20 sheets
C3834A 50 sheets

HP photo papers

HP photo paper
C1846A letter size, 20 sheets
C6982A letter size, 60 sheets

HP photo-quality inkjet paper, two-sided, semi-gloss
C6983A letter size, 25 sheets

HP photo-quality inkjet paper, two-sided, matte
C7007A letter size,100 sheets

HP premium photo paper
C6039A letter size, 15 sheets
C6979A letter size, 50 sheets

HP premium plus photo paper, glossy
C6831A letter size, 20 sheets

HP premium plus photo paper, 4 x 6 in, glossy
C6944A 4 x 6 in. 20 sheets
C7024A 4 x 6 in. 60 sheets

HP premium plus photo paper, matte
C6950A letter size, 20 sheets

HP colorfast photo paper
C7013A letter size, 20 sheets

HP creative papers

HP greeting card paper, white, quarter-fold
C1812A 20 sheets/envelopes

HP matte greeting card, white, half-fold
C7018A 20 sheets/envelopes

HP glossy greeting card
C6044A 10 sheets/envelopes

HP textured greeting card paper, ivory, half-fold
C6828A 20 sheets/envelopes

HP textured greeting card paper, white, half-fold
C7019A 20 sheets/envelopes

HP iron-on T-shirt transfers
C6049A 10 sheets

accessories
C6518A USB-compliant cable (2m)

for more information

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